

Claims.

1. A contactless ignition system for an internal combustion engine, comprising, a rotor having magnetic poles arranged either side of a magnet, a core with two legs, arranged opposite the rotor, wound with a trigger coil on the one leg and with a generating coil on the other leg positioned opposite to the rotational direction of the rotor with respect to the one leg, an ignition charge discharge condenser for charging an induced voltage of the generating coil, a first switching element, triggered to be conductive when an induced voltage of the generating coil has reached a predetermined trigger level, for supplying a voltage charged in the ignition charge discharge condenser to an ignition coil, a trigger control condenser for charging induced voltages of the charging coil and the trigger coil, and a second switching element for inhibiting a trigger of the first switching element caused by induced voltage of the generating coil for a specified time following charge of the trigger control condenser.
2. The contactless ignition system for an internal combustion engine according to claim 1, wherein the second switching element is a transistor for short-circuiting both ends of the trigger coil for a specified charging time of the trigger control condenser to prevent triggering of the first switching element.
3. The contactless ignition system for an internal combustion engine according to claim 1, wherein the trigger control condenser constitutes a time constant circuit for determining a discharge time constant of the trigger control condenser in order to perform ignition timing retardation control.

4. The contactless ignition system for an internal combustion engine according to claim 1, further comprising a circuit protection trigger circuit to trigger the first switching element in a high voltage below capacity voltage of the ignition charge discharge condenser.